

Complex Fractions

Date _____ Period _____

Simplify each expression.

WS #6

1)
$$\frac{\frac{4}{3} - \frac{3}{4}}{\frac{3}{4} - \frac{3}{2}}$$

2)
$$\frac{\frac{1}{4} + \frac{5}{4}}{4}$$

3)
$$\frac{\frac{4}{5}}{\frac{2}{25} - \frac{5}{16}}$$

4)
$$\frac{\frac{2}{3} - \frac{4}{2}}{\frac{4}{3} - \frac{5}{2}}$$

5)
$$\frac{\frac{x}{3} + \frac{1}{x}}{\frac{3}{x} + \frac{1}{x}}$$

6)
$$\frac{\frac{16}{m-1}}{\frac{16}{5} - \frac{16}{25}}$$

$$7) \frac{\frac{9}{x} + \frac{2}{3x}}{\frac{9}{x} + \frac{2}{3x}}$$

$$8) \frac{\frac{a^2}{4} - \frac{4}{5}}{\frac{4}{5} - \frac{4}{a}}$$

$$9) \frac{\frac{x^2}{9} + \frac{1}{4}}{6x}$$

$$10) \frac{\frac{a}{8} - \frac{4}{a^2}}{4}$$

$$11) \frac{\frac{25}{12} + \frac{x+1}{4}}{\frac{1}{18} - \frac{x+1}{36}}$$

$$12) \frac{\frac{16}{m-3} - \frac{4}{m-4}}{\frac{16}{m^2} - \frac{m-4}{m-3}}$$

$$13) \frac{\frac{x-6}{6} - \frac{x-2}{x-6}}{\frac{36}{x-2} + \frac{4}{9}}$$

$$14) \frac{\frac{1}{2} - \frac{x+5}{4}}{\frac{x^2}{2} - \frac{5}{2}}$$